Amendments to the Claims:

This listing of claims will replace prior version, and listings, of claims in the Application.

Listing of Claims:

1. (Currently Amended) A digital household automation control system~~, the family has~~ for controlling household electric appliances ~~and controllers;~~ having an infrared-sensitive on/off switch ~~meanwhile the controller is~~ connected with both a fire line of power and a load line, ~~wherein said digital household automation control system is comprised of~~ comprising:

an input ~~apparatus~~ attached with a transmitting unit for emitting RF signals ~~in proper time~~;

a relay ~~transmitter~~ device, including:

~~a~~ an RF ~~receiving unit~~ relay for converting RF signals emitted from said infrared-sensitive on/off switch into differently coded RF signals, and for relaying said differently coded RF signals, and

an infrared ~~ray signal transmitting unit,~~ relay ~~wherein, the RF receiving unit can receive the RF signal emitted from the remote control, and transfer the RF signal into another one sent to the infrared ray signal transmitting unit to make it emit an infrared ray signal to control the various electric appliances or controllers;~~ for converting said differently coded RF signals from

said RF relay into infrared signals for controlling said infrared-sensitive on/off switch;

a controller ~~cross-connected~~ coupled with said infrared-sensitive on/off switch and connected to said ~~on a~~ fire line of power and [[a]] said load line on both ends thereof, which includes:

a ~~receiving unit,~~ receiver for receiving and relaying RF signals from said input;

a central ~~processing unit~~ processor for receiving and processing said RF signals sent from said receiver, wherein said processing includes comparing and analyzing, and

a controlling unit ~~controlled by the central processing unit,~~ for executing instructions from said central processor ~~wherein, the receiving unit can receive the RF signal from the input apparatus directly, and send the signal to the central processing unit, therein comparing, analyzing treatment then to drive the controlling unit to control the controller actions~~ and thereby controlling said controller.

2. (Currently Amended) A digital household automation control system as claimed in claim 1, wherein said relay ~~transmitter~~ unit ~~also~~ includes:

an infrared ~~-ray receiving unit~~ receiver for receiving infrared signals from said infrared-sensitive on/off switch; and

a memory unit connected with ~~the~~ said infrared ~~-ray receiving unit,~~ receiver ~~so that the infrared ray receiving unit can receive the new infrared ray receiving unit can receive the new infrared ray signals form the remote controls of increased electric appliances, and save them into the memory unit~~ for saving in memory said infrared signals emitted from said infrared-sensitive on/off switch of said electrical appliances.

3. (Currently Amended) A digital household automation control system as claimed in claim 1, wherein said input ~~apparatus can be~~ is a remote control.

4. (Currently Amended) A digital household automation control system as claimed in claim 1, wherein said input ~~apparatus can be~~ is a computer.

5. (Currently Amended) A digital household automation control system as claimed in claim 4, wherein said computer is lined to a network adapter for ~~so as to~~ controlling ~~the~~ said relay ~~transmitter~~ unit ~~working~~ via the network.

6. (Currently Amended) A digital household automation control system as claimed in claim 1, wherein said input ~~apparatus can be~~ is a mobile communication unit~~, thereby~~ for controlling ~~the~~ said relay ~~transmitter~~ unit ~~working~~.

7. (Currently Amended) A digital household automation control system as claimed in claim 1, wherein said input ~~apparatus can be~~ is a detecting actuator, ~~which can is comprised of~~ comprising:

a detecting unit ~~triggered~~ initiated by a triggering signal ~~of detecting and receiving any~~ resulting from environmental changes[[,]];

a central processing unit for processing ~~the~~ said triggering signal ~~came~~ from ~~the~~ said detecting unit[[,]]; and

a transmitting unit for emitting the signals ~~coming~~ emitted from ~~the~~ said central processing unit and thereby ~~to control~~ controlling ~~the~~ said relay ~~transmitter action~~ device.

8. (Currently Amended) A digital household automation control system as claimed in claim 1, wherein said input ~~apparatus~~ is attached with ~~a~~ an RF receiving unit, and ~~the~~ said controller is built ~~upon~~ with ~~a~~ an RF signal transmitting unit~~, so that~~ for ~~the~~ said controller ~~can~~ sending a feedback message to ~~the~~ said RF receiving unit of ~~the~~ said input ~~apparatus~~ after ~~carrying out~~ adjusting or ~~cutting~~ making an ~~in~~on-off under the control~~ling~~ of ~~the~~ said RF signal[[,]] ~~in order to let the~~ for an user to know the working status of ~~the~~ said controller[[s]].